



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

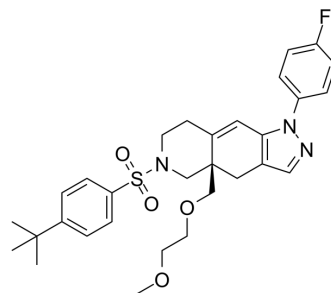
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## C108297

<b>Cat. No.:</b>	HY-125096		
<b>CAS No.:</b>	864972-30-5		
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>36</sub> FN <sub>3</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	553.69		
<b>Target:</b>	Glucocorticoid Receptor		
<b>Pathway:</b>	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (180.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8061 mL	9.0303 mL	18.0606 mL
	5 mM	0.3612 mL	1.8061 mL	3.6121 mL
	10 mM	0.1806 mL	0.9030 mL	1.8061 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (4.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.52 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

C108297 is a selective glucocorticoid receptor (GR) modulator (GR binding K<sub>i</sub> 0.7 nM; GR reporter gene functional K<sub>i</sub> 0.6 nM). C108297 attenuates obesity by reducing caloric intake and increasing lipolysis and fat oxidation, and in addition attenuates inflammation<sup>[1][2]</sup>.

### REFERENCES

[1]. Clark RD, et al. 1H-Pyrazolo[3,4-g]hexahydro-isoquinolines as selective glucocorticoid receptor antagonists with high functional activity. *Bioorg Med Chem Lett.* 2008;18(4):1312-1317.

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[2]. van den Heuvel JK, et al. Identification of a selective glucocorticoid receptor modulator that prevents both diet-induced obesity and inflammation. Br J Pharmacol. 2016;173(11):1793-1804.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA